SDI Review Form 1.6

Journal Name:	Asian Journal of Research and Review in Physics
Manuscript Number:	**Ms_AJR2P_47561**
Title of the Manuscript:	**Theoretical verification of the formula of charge function in time (q = c*v) for few cases of excitation voltage for a fractional capacitor and interpretation of results**
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline)

PART 1: **Review Comments**

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Compulsory REVISION comments	Title is far too long and confusing Change the title to: "Theoretical Verification of the Formula for Charge as a Function of Time for a Fractional Capacitor" Introduction page 1: Change "The voltage change when appears at a capacitor or dielectric, it reacts or relaxes via relaxation current." To: "The voltage, v(t), across a capacitor or dielectric changes at a rate in proportion to the current: I(t)=C*dv/dt." Introduction page 1: Change "This formulation q(t)=c(t)*v(t) is deliberated and derived in detail" To: "This formula, q(t)=c(t)*v(t), is derived in detail" Introduction page 1: Change "the operation (*) is convolution operator [1]" To: "the operation (*) is the convolution operator [1]" Introduction page 1: Change: "In this paper we will always take the power-exponent of power-law of decaying capacity function C(t)=t^(-alpha) i.e. alpha as between zero and one; i.e. 0<alpha<1" To: "In this paper we will always take the exponent, alpha, in the power-law decaying capacity function, C(t)=t^(-alpha), to be between zero and one: 0<alpha<1." Introduction page 1 to 2: Change: "This power-law decay function is in singular at origin and is in tune with singular power-law-decay relaxation current given by Curie-von Schweidler (universal law) of dielectric relaxation [2]-[5]" To: "This power-law decay function is singular at t=0 and is consistent with the singular power-law-decay relaxation current given by the Universal Dielectric Response (UDR) of Curie, von Schweidler & Jonscher[2]-[5]." Introduction page 2: Change "We will use the memory-effect [6], [7], [14], [15] via using this new formulation" To: "We will use the memory-effect [6], [7], [14], [15] using this new formulation" Introduction page **I do not understand why q(t) would be equal the convolution of C(t) with v(t) and not simply the integral of C(t)*dv: q(t) = integral of the current, I(x), from x = 0 to t + q(0).** **I(x)=C(x)*dV/dx** **Hence, q(t)=integral of C(x)*dv(x) from time x=0 to time x=t.** **Use the word "via" or use the word "using" but not both.**	

	https://en.wikipedia.org/wiki/Universal_dielectric_response	
Minor REVISION comments		
Optional/General comments		

PART 2:

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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